FEATURES

- Infrared pass through housing
- Miniature size and shape

Installation friendly design:

- 10' of cable with 3.5mm plug
- Reliable adhesive backing
- Includes IR blocking cover

PACKAGE CONTENTS: IR-E1

- IR-E1 Emitter x 1
- 10 Feet of Connecting Wire x 1
- IR Blocking Cover x 1
- Extra Emitter Adhesive strips x 2

PACKAGE CONTENTS: IR-E2

- IR-E2 Emitter x 1
- 10 Feet of connecting wire x 1
- IR Blocking Covers x 2
- Extra emitter adhesive strips x 4

PREPARING FOR INSTALLATION

The IR-E1 and IR-E2 are typically mounted to the infrared remote receiver windows of audio/video components, using the attached self-adhesive tape. The emitter directs its infrared output toward the component, not out into the room. If the component has a tray or door that opens, you may have to route the emitter wire from the top or the side of the component. Make sure the mounting surface is cleaned and degreased before installation.

PRODUCT OVERVIEW

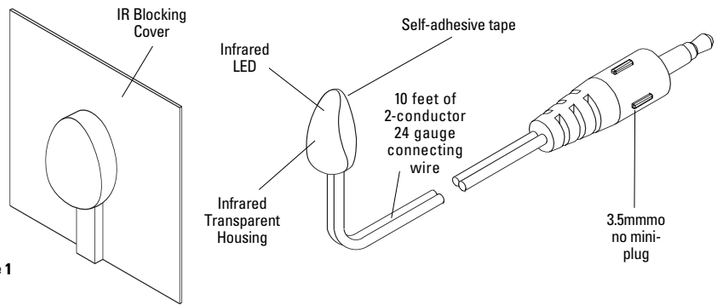

Figure 1

INSTALLATION

1. Locate the IR remote receiver window of each component to control. The receiver is usually located behind its own plastic window, on the front of the component.
2. Make sure the mounting surface is clean.
3. Attach the IR-E1/E2 directly over the IR remote receiver windows of the components using its self-adhesive tape.
4. Route the connecting two-conductor wire to the IR Connecting Block and plug it into an Emitter output.
5. Coil any excess wire and tie it in place.
6. On IR Connecting Blocks with selectable Emitter outputs, make certain the HI-LOW SWITCH is placed in the LOW position. **See figure 2 and 3**.

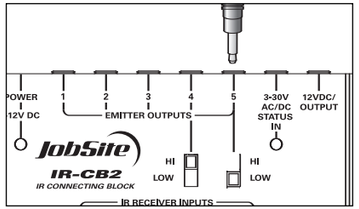

Figure 2 Connecting the emitter to the main system unit's emitter low outputs.

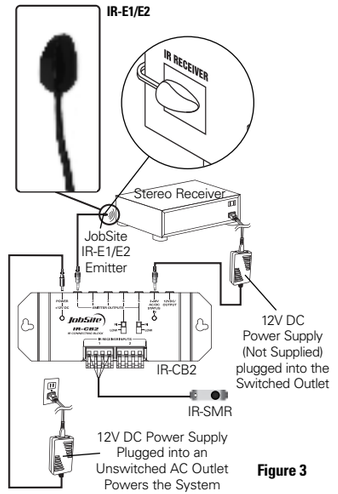
IR-E1/E2
IR RECEIVER
Stereo Receiver
JobSite IR-E1/E2 Emitter
12V DC Power Supply (Not Supplied) plugged into the Switched Outlet
IR-CB2
IR-SMR
12V DC Power Supply Plugged into an Unswitched AC Outlet Powers the System

Figure 3

INCREASING THE WIRE LENGTH

If the connecting wire is too short to reach the IR Connecting Blocks, an additional length of wire may be spliced in to extend it. Cut the emitter wire approximately six inches from the plug end, strip off 1/4", and connect your additional wiring between the ends of the original emitter wire. For distances between 10 and 20 feet upgrade the original wire to an 18 gauge 2-conductor wire. For distances of up to 200 feet a 16 gauge two-conductor wire should be used.

Be sure to observe proper polarity when extending the emitter wire.

The wire lead marked with a gray stripe is positive (+); the unmarked lead is negative (-).

USING THE IR BLOCKING COVER

To prevent A/V components from receiving IR commands from sources other than the IR-E1 and IR-E2, the IR Blocking Cover should be used. The IR Blocking Cover is designed to cover both the IR-E1 and IR-E2 and the IR Receiver window of the component. The IR Blocking Cover serves two functions:

1. It ensures that a component receives IR signals solely from the IR-E1 and IR-E2.
2. It prevents the IR output of the IR-E1 and IR-E2 from radiating to other components or IR receivers.

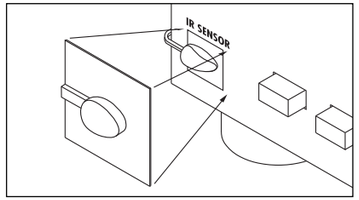

Figure 4 Mounting the IR Blocking Cover.

MOUNTING THE IR BLOCKING COVER

Make sure the mounting surface is clean before installing the blocking cover. You may improve the appearance by trimming the cover with scissors to exactly cover the remote receiver window. Mount the blocking cover (using the self-adhesive tape) so that the IR-E1 and IR-E2 and the IR remote receiver window of the component are completely covered. **See figure 4**.

TROUBLESHOOTING

Testing the Remote Control

Test to see that the hand-held remote control operates the component when you point it at the front panel (check the batteries if it does not).

IR Connecting Blocks Power Supply

Check that the red power light on the IR Connecting Blocks is lit (the in-line power supply should be plugged into an active AC wall outlet and supplying 12V DC).

Over Please

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IR Saturation
Sometimes the emitter output can saturate the IR receiving window of a component. When this occurs, the IR command will not be executed. This can occur anytime the output level of the emitters exceeds the input capability of the IR receiving circuit. Having a Plasma TV in the system can cause this to occur on an intermittent basis.

Solution
1. Remove the IR Blocking Cover if you are using one.
2. Turn on the Plasma TV, because this may be contributing to the problem.
3. Relocate the IR Emitter approximately 1/2" away from the IR Receiving window. Some experimentation will be required to determine the best location for emitter.
4. Test system. Do not use an IR Blocking Cover if a component is sensitive to IR saturation.

Optical Feedback Loop
If you have an IR Receiver in the same room as an emitter, and you have some low-level noise or interference, an optical feedback loop can occur which will interfere with proper operation. Symptoms can include: poor range, intermittent operation or no operation.

Solution
You can eliminate optical feedback by covering all emitters with the supplied IR Blocking Covers. There are many methods for reducing interference. Which solution is best for you depends on your situation.

SPECIFICATIONS

IR system
Works with practically all brands of IR remote controls

IR transmitting
Up to 4' (line of sight)

Emitters mount directly to the IR window of a component

Wiring requirements
10" of 2-conductor 24-gauge wire with a 3.5mm plug is supplied

Use 18-gauge for distances up to 20' and 16-gauge for up to 200'

Mounting
Self-adhesive, surface mount

Dimensions
5/16" wide x 3/16" high x 1/2" deep

IR Blocking Cover Dimensions
2" wide x 2" high x 1/4" deep

Warranty: 2 year limited

LIMITED WARRANTY

JobSite Systems ("JOBSITE"), a Niles Audio Corporation company, warrants its passive products (those not requiring AC or battery power) to the original purchaser to be free of manufacturing defects in material and workmanship for a period of ten years from date of purchase.

JOBSITE warrants its passive loudspeaker products (those not requiring AC or battery power) to the original purchaser to be free of manufacturing defects in material and workmanship for a period of five years from date of purchase.

JOBSITE warrants its indoor/outdoor loudspeaker products to the original purchaser to be free of manufacturing defects in material and workmanship for a period of two years from date of purchase.

JOBSITE warrants its all weather rock loudspeaker products to the original purchaser to be free of manufacturing defects in material and workmanship for a period of five years from date of purchase.

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This Warranty is subject to the following additional conditions and limitations. The Warranty is void and inapplicable if JOBSITE deems that the product has been used or handled other than in accordance with the instructions provided by the manufacturer, including, but not limited to, damage caused by accident, mishandling, improper installation, abuse, negligence, or normal wear and tear, or any defect caused by repair to the product other than by JOBSITE or an authorized JOBSITE wholesale distributor.

To obtain warranty service, you must write to JOBSITE: Include your name, address, telephone number, model number and serial number of your unit, and a brief description of the problem.

A factory Return Authorization Number will be sent to you. DO NOT RETURN ANY UNIT WITHOUT FIRST RECEIVING WRITTEN AUTHORIZATION AND SHIPPING INSTRUCTIONS FROM JOBSITE.

If the above conditions are met, the purchaser's sole remedy shall be to return the product to JOBSITE, in which case JOBSITE will repair or replace, at its sole option, the defective product without charge for parts or labor. JOBSITE will return the unit repaired or replaced under warranty by shipping it by its usual shipping method from the factory (only) at its expense within the United States of America. THERE ARE NO OTHER WARRANTIES, INCLUDING, WITHOUT LIMITATION, EITHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCT.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER/PURCHASER. NILES SHALL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES EXCEPT TO THE EXTENT PROVIDED (OR PROHIBITED) BY APPLICABLE LAW.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

For the name of the nearest authorized JOBSITE wholesale distributor, contact:

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INSTALLATION & USER GUIDE

For Transmitting Infrared Commands to Audio/Video Components

SINGLE/DUAL IR EMITTER **IR-E1/E2**